

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 01:47:15 ; Search time 62 Seconds  
(without alignments)  
402.787 Million cell updates/sec

Title: US-10-018-878-9

Perfect score: 45

Sequence: 1 agcaaacattaaacagcggtg.....acattattgataatcagggttc 45

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.\*

- 1: /cgn2\_6/ptodata/2/ina/5A-COMB.seq.\*
- 2: /cgn2\_6/ptodata/2/ina/5B-COMB.seq.\*
- 3: /cgn2\_6/ptodata/2/ina/5A-COMB.seq.\*
- 4: /cgn2\_6/ptodata/2/ina/6S-COMB.seq.\*
- 5: /cgn2\_6/ptodata/2/ina/PCTUS-COMB.seq.\*
- 6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	23.6	52.4	2453	4	US-08-961-527-316 Sequence 316, Appl
2	21.6	48.0	723	4	US-09-328-352-3411 Sequence 3411, Ap
3	21.2	47.1	580073	4	US-08-545-528D-1 Sequence 1, Appli
4	21	46.7	190	3	US-09-060-410-8 Sequence 8, Appli
5	21	46.7	190	4	US-09-723-458-8 Sequence 8, Appli
6	21	46.7	614	4	US-09-221-0178-1040 Sequence 1040, Ap
7	21	46.7	786	4	US-09-328-352-599 Sequence 599, App
8	21	46.7	1521	4	US-09-328-352-1397 Sequence 1397, Ap
9	21	46.7	2643	4	US-09-486-072-6 Sequence 6, Appli
10	21	46.7	46819	4	US-09-453-702B-72 Sequence 72, Appl
11	20.8	46.2	3454	4	US-09-963-137-151 Sequence 151, App
12	20.8	46.2	3454	4	US-09-963-137-178 Sequence 178, App
13	20.8	46.2	1654976	4	US-08-916-421B-1 Sequence 1, Appli
14	20.8	46.2	1830121	4	US-09-557-884-1 Sequence 1, Appli
15	20.8	46.2	1830121	4	US-09-543-990A-1 Sequence 1, Appli
16	20.6	45.8	882	4	US-09-107-532A-1988 Sequence 1988, Ap
17	20.6	45.8	1696	3	US-09-028-366-1 Sequence 1, Appli
18	20.6	45.8	1696	4	US-09-715-285-1 Sequence 3, Appli
19	20.6	45.8	786431	4	US-09-751-389-3 Sequence 3, Appli
20	20.4	45.3	705	4	US-09-540-236-278 Sequence 278, App
21	20.4	45.3	6703	4	US-09-586-002-7 Sequence 7, Appli
22	20.4	45.3	1664976	4	US-08-516-421B-1 Sequence 1, Appli
23	20.2	44.9	466	4	US-09-621-976-10105 Sequence 10105, A
24	20.2	44.9	1647	6	5405943-3 Patent No. 5405943
25	20.2	44.9	2147	4	US-09-023-655-1221 Sequence 1221, Ap
26	20.2	44.9	6948	4	US-09-543-681A-1262 Sequence 1262, Ap
27	20	44.4	634	3	US-08-998-416-152 Sequence 152, App

C 28	20	44.4	1975	4	US-09-910-174B-3	Sequence 3, Appli
C 29	20	44.4	1975	4	US-09-620-461-3	Sequence 3, Appli
C 30	20	44.4	2091	4	US-09-134-001C-1459	Sequence 1459, Ap
C 31	20	44.4	2229	4	US-09-910-174B-1	Sequence 1, Appli
C 32	20	44.4	2229	4	US-08-620-461-1	Sequence 1, Appli
C 33	20	44.4	3652	4	US-08-961-527-251	Sequence 251, Appl
C 34	19.8	44.0	400	4	US-08-956-171B-1988	Sequence 1988, Ap
C 35	19.8	44.0	1326	4	US-09-891-641-81	Sequence 81, Appl
C 36	19.8	44.0	2307	3	US-08-942-008-1	Sequence 1, Appli
C 37	19.8	44.0	2853	4	US-09-328-352-542	Sequence 542, App
C 38	19.8	44.0	7411	4	US-09-634-238-27	Sequence 27, Appl
C 39	19.8	44.0	148567	4	US-09-801-876B-3	Sequence 3, Appli
C 40	19.8	44.0	148567	4	US-10-254-869-3	Sequence 11, Appl
C 41	19.8	44.0	392000	4	US-10-027-983-11	Sequence 63, Appl
C 42	19.6	43.6	595	3	US-09-276-531-63	Sequence 65, Appl
C 43	19.6	43.6	846	4	US-08-936-165A-65	Sequence 35, Appl
C 44	19.6	43.6	1299	4	US-09-222-938A-38	Sequence 522, App
C 45	19.6	43.6	1987	4	US-08-956-171B-522	

ALIGNMENTS

RESULT 1  
US-08-961-527-316  
; Sequence 316, Application US/08961527  
; Patent No. 6420135

GENERAL INFORMATION:  
; APPLICANT: Charles Kunsch  
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences  
; NUMBER OF SEQUENCES: 391  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Human Genome Sciences, Inc.  
; STREET: 9410 Key West Avenue  
; CITY: Rockville  
; STATE: Maryland  
; COUNTRY: USA  
; ZIP: 20850

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
; COMPUTER: HP Vectra 486/33  
; OPERATING SYSTEM: MSDOS version 6.2  
; SOFTWARE: ASCII Text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/961.527  
; FILING DATE:

CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Brookes, A. Anders  
; REGISTRATION NUMBER: 36,373  
; REFERENCE/DOCKET NUMBER: PB340P1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (301) 309-8504  
; TELEFAX: (301) 309-8512  
; INFORMATION FOR SEQ ID NO: 316:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2453 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
US-08-961-527-316

Query Match 52.4%; Score 23.6; DB 4; Length 2453;  
Best Local Similarity 76.3%; Pred. No. 5.1;  
Matches 29; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 3 CAACAATTAAACAGCGTGCATTACATATTGATATCA 40  
|||||  
DB 1335 CAACAATTAAAGCGTGATATAATTAATGTTGATAATCA 1372  
|||||

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RESULT 2
US-09-328-352-3411/c
; Sequence 3411, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 3411
; LENGTH: 723
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-3411

Query Match      48.0%; Score 21.6; DB 4; Length 723;
Best Local Similarity 68.2%; Pred. No. 24;
Matches 30; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy    2 GCACATTAACAGCGTGCATTACATATTGATAATCAGGTTC 45
      |||||
Db    554 GCTAAATTAAGAAGCTTAAGCTGGATAGCGCATATCCGGTTC 511

RESULT 3
US-08-545-528D-1
; Sequence 1, Application US/08545528D
; Patent No. 6537773
; GENERAL INFORMATION:
; APPLICANT: Fraser et al.
; TITLE OF INVENTION: Nucleotide Sequence of the Mycoplasma Genitalium Genome, Fragment
; Patent No. 6537773
; TITLE OF INVENTION: Thereof, and Uses Thereof
; FILE REFERENCE: PB193P1
; CURRENT APPLICATION NUMBER: US/08/545,528D
; CURRENT FILING DATE: 1995-10-19
; PRIOR APPLICATION NUMBER: US 08/488,018
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: US 08/473,545
; PRIOR FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 580073
; TYPE: DNA
; ORGANISM: Mycoplasma genitalium
US-08-545-528D-1

Query Match      47.1%; Score 21.2; DB 4; Length 580073;
Best Local Similarity 69.0%; Pred. No. 89;
Matches 29; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy    4 AAACATTAACAGCGTGCAATTACATATTGATAATCAGGTTC 45
      |||||
Db    67183 AAACTAAAATAACGTGCTTTTATTATCGACTACTCAGCTTC 67224

RESULT 4
US-09-060-410-8
; Sequence 8, Application US/09060410
; Patent No. 6165461
; GENERAL INFORMATION:
; APPLICANT: Cobb, Melanie
; APPLICANT: Hutchinson, Michele
; APPLICANT: Chen, Zhu
; APPLICANT: Berman, Kevin
; TITLE OF INVENTION: TAO PROTEIN KINASES AND METHODS OF USE
; THEREFOR
; NUMBER OF SEQUENCES: 26

```

REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 860098.421  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 190 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 8:

Query Match 46.7%; Score 21; DB 4; Length 190;  
Best Local Similarity 66.7%; Pred. No. 32;  
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 AGCAACATTAAACAGCGTGCATTTACATATTGATAATCAGGTTTC 45  
Db 8 AGAAACATTAAAGCCATGGAAATGCAMTTAAAAACAGTTTC 52

## RESULT 6

US-09-221-017B-1040/c  
Sequence 1040, Application US/09221017B  
Patent No. 6444739

GENERAL INFORMATION:  
APPLICANT: Ross, Bruce C.  
TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF  
NUMBER OF SEQUENCES: 1120  
CORRESPONDENCE ADDRESS:

ADDRESSER: MORRISON & FORSTER  
STREET: 755 PAGE MILL ROAD  
CITY: Palo Alto  
STATE: CA

COUNTRY: USA  
ZIP: 94304-1018

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows

SOFTWARE: FastSeq for Windows Version 2.0b

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/221,017B

FILING DATE: 23-DEC-1998

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PP1182

FILING DATE: 31-DEC-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PP1546

FILING DATE: 30-JAN-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PP2911

FILING DATE: 09-APR-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/AU98/01023

FILING DATE: 10-DEC-1998

ATTORNEY/AGENT INFORMATION:

NAME: Monroy, Gladys H

REGISTRATION NUMBER: 32,430

REFERENCE/DOCKET NUMBER: 27340-20021.00

TELEPHONE: 650-813-5600

TELEFAX: 650-494-0792

TELEX: 706141

INFORMATION FOR SEQ ID NO: 1040:

SEQUENCE CHARACTERISTICS:

LENGTH: 614 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: UNKNOWN  
ORIGINAL SOURCE:  
ORGANISM: PORPHYROMONAS GINGIVALIS  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 1...614  
US-09-221-017B-1040

Query Match 46.7%; Score 21; DB 4; Length 614;  
Best Local Similarity 66.7%; Pred. No. 39;  
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 AGCAACATTAAACAGCGTGCATTTACATATTGATAATCAGGTTTC 45  
Db 369 AGCAACATTACAGGTTGGCAACACTTAGTGAGCATGATTTTC 325

## RESULT 7

US-09-328-352-599/c  
Sequence 599, Application US/09328352  
Patent No. 6562958

GENERAL INFORMATION:

APPLICANT: Gary L. Breton et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: GTC99-03PA

CURRENT APPLICATION NUMBER: US/09/328,352

CURRENT FILING DATE: 1999-06-04

NUMBER OF SEQ ID NOS: 8252

SEQ ID NO 599

LENGTH: 786

TYPE: DNA

ORGANISM: Acinetobacter baumannii

US-09-328-352-599

Query Match 46.7%; Score 21; DB 4; Length 786;  
Best Local Similarity 73.0%; Pred. No. 40;  
Matches 27; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 8 ATTAACAGCGTGCATTTACATATTGATATATCAGGTT 44  
Db 341 ACTAAACAGGATCAAGTACATATTGATATCAGGAT 305

## RESULT 8

US-09-328-352-1397/c  
Sequence 1397, Application US/09328352  
Patent No. 6562958

GENERAL INFORMATION:

APPLICANT: Gary L. Breton et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: GTC99-03PA

CURRENT APPLICATION NUMBER: US/09/328,352

CURRENT FILING DATE: 1999-06-04

NUMBER OF SEQ ID NOS: 8252

SEQ ID NO 1397

LENGTH: 1521

TYPE: DNA

ORGANISM: Acinetobacter baumannii

US-09-328-352-1397

Query Match 46.7%; Score 21; DB 4; Length 1521;  
Best Local Similarity 66.7%; Pred. No. 44;  
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 AGCAACATTAAACAGCGTGCATTTACATATTGATAATCAGGTTTC 45  
Db 1032 AGCCAAAGTATATCGGTGTATTGGATGGATATCCGACTC 988

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RESULT 9
US-09-486-072-6/c
; Sequence 6, Application US/09486072
; Patent No. 6489155
; GENERAL INFORMATION:
; APPLICANT: Masanori TAKAYAMA, et al.
; TITLE OF INVENTION: GENES
; FILE REFERENCE: 11202/1
; CURRENT APPLICATION NUMBER: US/09/486,072
; CURRENT FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: PCT/JP98/02310
; PRIOR FILING DATE: 1998-05-26
; PRIOR APPLICATION NUMBER: JP252624/97
; PRIOR FILING DATE: 1997-09-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 2643
; TYPE: DNA
; ORGANISM: Bacteria
US-09-486-072-6

Query Match          46.7%; Score 21; DB 4; Length 2643;
Best Local Similarity 73.0%; Pred. No. 48;
Matches 27; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 1 AGCAACATTAAACAGCGTGCATTTACATATGATGATAA 37
Db 877 ACCAACCATCAATCAGAGTGGCGTAACGTAGTGATAA 841

RESULT 10
US-09-453-702B-72/c
; Sequence 72, Application US/09453702B
; Patent No. 6365723
; GENERAL INFORMATION:
; APPLICANT: Blattner, Frederick R.
; Perna, Nicole T.
; Plunkett, Guy
; Welch, Rod
; TITLE OF INVENTION: No. 6365723el Sequences of E. coli O157
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44Mb storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 8.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/453,702B
; FILING DATE: 03-Dec-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/110,955
; FILING DATE: 04-DEC-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J.
; REGISTRATION NUMBER: 27386
; REFERENCE/DOCKET NUMBER: 960296.95017
; TELEPHONE: (608) 251-5000
; TELEFAX: (608) 251-9166
; INFORMATION FOR SEQ ID NO: 72:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 46819
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 72:

US-09-453-702B-72

Query Match          46.7%; Score 21; DB 4; Length 46819;
Best Local Similarity 73.0%; Pred. No. 75;
Matches 27; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 6 ACATTAAACAGCGTGCATTTACATATGATGATAATCAGG 42
Db 42743 ACAATAAAGTCCGCAATCAGATACAGAGACTCAGG 42707

RESULT 11
US-09-963-137-151/c
; Sequence 151, Application US/09963137
; Patent No. 6596036
; GENERAL INFORMATION:
; APPLICANT: Pedersen, Finn S
; APPLICANT: Sorensen, Annette B
; APPLICANT: Hernandez, Javier Martin
; APPLICANT: Nielsen, Anne A
; APPLICANT: Moving, Helle
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR LYMPHOMA AND LEUKEMIA
; FILE REFERENCE: A-70981/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/963,137
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/668,644
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US 09/905,390
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 09/905,491
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 09/962,929
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/962,854
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/962,916
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/962,855
; PRIOR FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 215
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 151
; LENGTH: 3454
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-963-137-151

Query Match          46.2%; Score 20.8; DB 4; Length 3454;
Best Local Similarity 70.0%; Pred. No. 60;
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy 5 ACATTAAACAGCGTGCATTTACATATGATGATAATCAGGTT 44
Db 1574 ACCATTGAGCATCTCGAAGGACATATGTTGTTATGCT 1535

RESULT 12
US-09-963-137-178/c
; Sequence 178, Application US/09963137
; Patent No. 6596036
; GENERAL INFORMATION:
; APPLICANT: Pedersen, Finn S
; APPLICANT: Sorensen, Annette B
; APPLICANT: Hernandez, Javier Martin
; APPLICANT: Nielsen, Anne A
; APPLICANT: Moving, Helle
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR LYMPHOMA AND LEUKEMIA
; FILE REFERENCE: A-70981/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/963,137
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; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/668,644
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US 09/905,390
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 09/905,491
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 09/962,929
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/962,854
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/962,916
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/962,855
; PRIOR FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 215
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 178
; LENGTH: 3454
; TYPE: DNA
; ORGANISM: Mus musculus
; US-09-963-137-178

Query Match 46.2%; Score 20.8; DB 4; Length 3454;
Best Local Similarity 70.0%; Pred. No. 60;
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 5 AACATTAAACAGCGTCGCAATTACATATTCGATCATCGGTT 44
Db 1574 ACCATTGAGCATCCTCGAAGGACATATTTGTTTCATGCT 1535

RESULT 13
US-08-916-421B-1/c
; Sequence 1, Application US/08916421B
; Patent No. 6503729
; GENERAL INFORMATION:
; APPLICANT: Bult et al.
; TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanococcus
; Patent No. 6503729
; FILE OF INVENTION: jannaschii
; FILE REFERENCE: PB275
; CURRENT APPLICATION NUMBER: US/08/916,421B
; CURRENT FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/024,428
; PRIOR FILING DATE: 1996-08-22
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 1
; LENGTH: 1664976
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (28222)..(28222)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (28257)..(28258)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84773)..(84773)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84808)..(84808)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84812)..(84812)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (98120)..(98120)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (98159)..(98159)
; OTHER INFORMATION: n equals a, t, c, or g

; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (98239)..(98239)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (98266)..(98266)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (98343)..(98343)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (103998)..(103998)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (148948)..(148948)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (163385)..(163385)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (191989)..(191989)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (191995)..(191995)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (231980)..(231980)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (234187)..(234187)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (234220)..(234220)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (234814)..(234814)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (309398)..(309398)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (309418)..(309418)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (312837)..(312837)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (312993)..(312993)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (319226)..(319226)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (559167)..(559167)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (559241)..(559241)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (600992)..(600992)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (622708)..(622708)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (657081)..(657081)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (657203)..(657203)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (674435)..(674435)
; OTHER INFORMATION: n equals a, t, c, or g

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NAME/KEY: misc feature  
LOCATION: (682442)..(682442)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (713652)..(713652)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (741684)..(741684)  
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NAME/KEY: misc feature  
LOCATION: (779455)..(779455)  
OTHER INFORMATION: n equals a, t, c, or g  
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LOCATION: (779676)..(779676)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (855539)..(855539)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (871619)..(871619)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1084830)..(1084830)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1096846)..(1096846)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1119881)..(1119881)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1130881)..(1130881)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1310988)..(1310988)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1313224)..(1313224)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1349473)..(1349473)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1349491)..(1349491)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1470091)..(1470091)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1569020)..(1569020)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1602912)..(1602912)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1603734)..(1603734)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1637998)..(1637998)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1664854)..(1664854)  
OTHER INFORMATION: n equals a, t, c, or g

US-08-916-421B-1  
Query Match 46.2%; Score 20.8; DB 4; Length 1664976;  
Best Local Similarity 70.0%; Pred. No. 1.2e+02;  
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy 5 AACATTAAACAGCGTGCATTACATATTGATTAATCAGGTT 44  
Db 1077378 AAAATTAAATATCATACAGTCAAGATTGATTATGTT 1077339

RESULT 14  
US-09-557-884-1  
Sequence 1, Application US/09557884  
Patent No. 6506581  
GENERAL INFORMATION:  
APPLICANT: Fleischmann et al.  
TITLE OF INVENTION: The Nucleotide sequence of the Haemophilus influenzae Rd Genome, Fragments Thereof, and Uses Thereof  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: MD  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3 1/2 inch diskette  
COMPUTER: Dell Pentium  
OPERATING SYSTEM: MS DOS V6.22  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/557,884  
FILING DATE: 25-Apr-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/476,102  
FILING DATE: JUN-5-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Michelle S. Marks  
REGISTRATION NUMBER: 41,971  
REFERENCE/DOCKET NUMBER: P8186P3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 301-309-8504  
TELEFAX: 301-309-8439  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1830121 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-557-884-1  
Query Match 46.2%; Score 20.8; DB 4; Length 1830121;  
Best Local Similarity 70.0%; Pred. No. 1.2e+02;  
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy 5 AACATTAAACAGCGTGCATTACATATTGATTAATCAGGTT 44  
Db 784657 AACGTTATATCGGTGCCATACACTTTGTAATCACTT 784696

RESULT 15  
US-09-643-990A-1  
Sequence 1, Application US/09643990A  
Patent No. 6528289  
GENERAL INFORMATION:  
APPLICANT: Robert D. Fleischmann  
Mark D. Adams  
Owen White  
Hamilton O. Smith  
J. Craig Venter  
TITLE OF INVENTION: The Nucleotide sequence of the Haemophilus influenzae Rd Genome, Fragments Thereof, and Uses Thereof  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville,

```

STATE: MD
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: 3 1/2 inch diskette
COMPUTER: Dell Pentium
OPERATING SYSTEM: MS DOS v6.22
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/643,990A
FILING DATE: 23-Aug-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/487,429
FILING DATE: 1995-06-07
APPLICATION NUMBER: 08/426,787
FILING DATE: 1995-04-21
ATTORNEY/AGENT INFORMATION:
NAME: Kenley K. Hoover
REGISTRATION NUMBER: 40,302
REFERENCE/DOCKET NUMBER: PB186PIC1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-610-5790
TELEFAX: 310-309-8439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1830121 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-643-990A-1

Query Match      46.2%; Score 20.8; DB 4; Length 1830121;
Best Local Similarity 70.0%; Pred. No. 1.2e+02;
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY      5 AACATTAAACAGCGTCGCAATTACATATTGATATCAGGTT 44
Db      784657 ACGTTATATCGCGTGCCAAATACACTTGTAAATCAACTT 784696

Search completed: March 22, 2004, 04:12:34
Job time : 89 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: March 22, 2004, 03:57:11 ; Search time 1651 Seconds  
(without alignments)

Title: US-10-018-878-9

Perfect score:

Sequence: 1 agcaaacattaacagcgtg.....acatattgataatcaggttc 45

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 2438257 seqs, 1849576744 residues

Total number of hits satisfying chosen parameters: 4876514

Minimum DB seq length: 0

Minimum DB seq	length: 0
Maximum DB seq	length: 200000000

Post-processing: Minimum Match 0%

Post-processing: Minimum Match 0%  
Maximum Match 100%

Maximum Match 100  
Listing first 45 summaries

Database :

Published Applications NA.\*

1:	/cgn2_6/podata/2/pubpna/US07_PUBCOMB.seq.*
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11:	/cgn2_6/podata/2/pubpna/US09C_NEW_PUB.seq.*
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14:	/cgn2_6/podata/2/pubpna/US10C_PUBCOMB.seq.*
15:	/cgn2_6/podata/2/pubpna/US10C_NEW_PUB.seq.*
16:	/cgn2_6/podata/2/pubpna/US10_PUBCOMB.seq.*
17:	/cgn2_6/podata/2/pubpna/US60_NEW_PUB.seq.*
18:	/cgn2_6/podata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query		DB	ID	Description
		Match	%			
1	45	100	0	45	US-09-345-493-9	Sequence 9, Appli
C 2	24	53.3	43.1	12	US-10-424-599-127515	Sequence 127515,
C 3	23.8	52.3	75.4	12	US-10-424-599-55144	Sequence 55144,
C 4	23.8	52.3	193357	15	US-10-088-117-442	Sequence 112, App
C 5	23.6	52.4	2453	12	US-10-152-844-316	Sequence 316, App
C 6	23.4	52.0	580	12	US-10-424-599-12215	Sequence 12215,
C 7	23.4	52.0	2000	9	US-09-938-842A-3804	Sequence 3804, Ap
C 8	23.4	52.0	2000	11	US-09-938-842A-3804	Sequence 3804, Ap
C 9	23	51.1	77.1	9	US-09-910-943-139	Sequence 129, App
C 10	23	51.1	183337	14	US-10-020-141-5	Sequence 5, Appli
C 11	22.6	50.2	447	14	US-10-024-595-6062	Sequence 6062, Ap
C 12	22.4	49.8	288	12	US-10-424-599-123076	Sequence 123076,
C 13	22.4	49.8	637	15	US-10-021-632-238109	Sequence 238109,
C 14	22.4	49.8	637	15	US-10-021-632-238110	Sequence 238110,
C 15	22.4	49.8	814	15	US-10-021-632-148937	Sequence 148937,

## ALIGNMENTS

## RESULT 1

US-09-345-492-9  
; Sequence 9, Application US/09345492  
; Patent No. US20020128457A1  
; GENERAL INFORMATION:  
; APPLICANT: ANDERSON, DAVID A.  
; APPLICANT: LIU, LIN  
; APPLICANT: PODKOVYTOV, SERGEY  
; APPLICANT: WANG, BAOMIN  
; TITLE OF INVENTION: VECTORS, CELLS AND PROCESSES FOR PYRIMIDINE  
; TITLE OF INVENTION: PEORYRIBONUCLEOSIDES PRODUCTION  
; FILE REFERENCE: 28460/123  
; CURRENT APPLICATION NUMBER: US/09/345,492  
; CURRENT FILING DATE: 1999-07-01

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; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 9
; LENGTH: 45
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-345-492-9

Query Match      100.0%;   Score 45;   DB 9;   Length 45;
Best Local Similarity 100.0%;   Pred. No. 1.7e-06;
Matches 45;   Conservative 0;   Mismatches 0;   Indels 0;   Gaps 0

Qy      1   AGCAACATTAAACAGCGTCAATTACATATTGATTAATCAGGTTTC 45
Db      1   AGCAACATTAAACAGCGTCAATTACATATTGATTAATCAGGTTTC 45

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## RESULT 2

US-10-424-599-127515/c  
; Sequence 127515, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:



```
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 127515
; LENGTH: 421
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_86150C.1
US-10-424-599-127515

Query Match      53.3%; Score 24; DB 12; Length 421;
Best Local Similarity 75.0%; Pred. No. 77;
Matches 30; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY      1  AGCAACATTAAACAGCGTGCATTTACATATTGATAATCA 40
      |||
Db      98  ACCCAACTATAAAACCTTCATGATTAATGATAATCA 59

RESULT 3
US-10-424-599-55144/c
; Sequence 55144, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 55144
; LENGTH: 754
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_20806C.1
US-10-424-599-55144

Query Match      52.9%; Score 23.8; DB 12; Length 754;
Best Local Similarity 72.1%; Pred. No. 1.1e+02;
Matches 31; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY      2  GCAACATTAAACAGCGTGCATTTACATATTGATAATCAGTT 44
      |||
Db      735  GAAATAATAAACAGCAACATTCGAGATTGATTATTGCTT 693

RESULT 4
US-10-085-117-142/c
; Sequence 142, Application US/10085117
; Publication No. US2003023334A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: 529452000121
; CURRENT APPLICATION NUMBER: US/10/085,117
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 361
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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142
; LENGTH: 193357
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-085-117-142

Query Match      52.9%; Score 23.8; DB 15; Length 193357;
Best Local Similarity 72.1%; Pred. No. 4.5e+02;
Matches 31; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY      1  AGCAACATTAAACAGCGTGCATTTACATATTGATAATCAGTT 43
      |||
Db      186434  ATCAACCCCTTCAAGCGTGCATTCACATTTGGATCAACAGTT 186392

RESULT 5
US-10-158-844-316
; Sequence 316, Application US/10158844
; Publication No. US20040029118A1
; GENERAL INFORMATION:
; APPLICANT: Kunsch et al.
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 391
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-R
; COMPUTER: Dell Latitude Pentium 3
; OPERATING SYSTEM: Windows 98
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/158,844
; FILING DATE: 03-Jun-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/961,527
; FILING DATE: 1997-10-30
; APPLICATION NUMBER: US 60/029,960
; FILING DATE: 1996-10-31
; ATTORNEY/AGENT INFORMATION:
; NAME: Hyman, Mark J.
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB340P1D1
; INFORMATION FOR SEQ ID NO: 316:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2453 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 316:
US-10-158-844-316

Query Match      52.4%; Score 23.6; DB 12; Length 2453;
Best Local Similarity 76.3%; Pred. No. 1.7e+02;
Matches 29; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY      3  CAACACATTAAACAGCGTGCATTTACATATTGATAATCA 40
      |||
Db      1335  CAAACAATTTAAACGGTGATTAATAATGTTGATAATCA 1372

RESULT 6
US-10-424-599-12215/c
; Sequence 12215, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
```

RESULT 8  
US-09-398-842A-3804/c  
Sequence 3804, Application US/09939842A  
Publication No. US20040009475A9  
GENERAL INFORMATION:  
APPLICANT: Harper, Jeff  
APPLICANT: Kreps, Joel  
APPLICANT: Wang, Xun  
APPLICANT: Zhu, Tong  
TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING  
TITLE OF INVENTION: SAME, AND METHODS OF USE

```

; FILE REFERENCE: SRR11300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILLING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILLING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILLING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILLING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 3804
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-3804

Query Match 52.0%; Score 23.4; DB 11; Length 2000;
Best Local Similarity 73.2%; Pred. No. 1.9e+02;
Matches 30; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 3 CAACATTAAACAGCGTGCATTTACATATTTGATATCAGGT 43
      |||||
Db 468 CAAGTATTAAATCATCGTACGATTTACATGTTTCATATTAAGTT 428

RESULT 9
US-09-910-943-129
; Sequence 129, Application US/09910943
; Patent No. US200200810A1
; GENERAL INFORMATION:
; APPLICANT: Hemmati-Brivanlou, Ali
; APPLICANT: Altman, Curtis
; TITLE OF INVENTION: Assays and Materials for Embryonic Gene Expression
; FILE REFERENCE: 7529/1G148US1
; CURRENT APPLICATION NUMBER: US/09/910,943
; CURRENT FILLING DATE: 2001-07-23
; NUMBER OF SEQ ID NOS: 742
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 129
; LENGTH: 771
; TYPE: DNA
; ORGANISM: Xenopus laevis
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)..(771)
; OTHER INFORMATION: n may be a o r g o r c o r t/u
US-09-910-943-129

Query Match 51.1%; Score 23; DB 9; Length 771;
Best Local Similarity 74.4%; Pred. No. 2e+02;
Matches 29; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 3 CAACATTAAACAGCGTGCATTTACATATTTGATATCAG 41
      |||||
Db 435 CATAATATACAGTGATACATATTTATTTGGTAATAG 473

RESULT 10
US-10-020-141-5/c
; Sequence 5, Application US/10020141
; Publication No. US2003092013A1
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Jeanette
; APPLICANT: Ableson, Allen
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF VASCULAR DISEASE
; FILE REFERENCE: MMI-002
; CURRENT APPLICATION NUMBER: US/10/020,141
; CURRENT FILLING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/313,097
; PRIOR FILLING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: US 60/327,485
; PRIOR FILLING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 21

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 183337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-020-141-5

Query Match      51.1%; Score 23; DB 14; Length 183337;
Best Local Similarity 74.4%; Pred. No. 8.4e+02;
Matches 29; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 2 GCACATTAACACGCGTCAATTACATATTGATAATCA 40
Db 132374 GCCAATTTACTGCTGCGCAATAGATATCCCTAATCA 132336

RESULT 11
US-10-032-585-6062/c
; Sequence 6062, Application US/10032585
; Publication No. US20030180953A1
; GENERAL INFORMATION:
; APPLICANT: Terry, Roemer D.
; APPLICANT: Bo, Jiang
; APPLICANT: Charles, Boone
; APPLICANT: Howard, Bussey
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
; FILE REFERENCE: 10182-005-999
; CURRENT APPLICATION NUMBER: US/10/032,585
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 8000
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 6062
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Candida albicans
US-10-032-585-6062

Query Match      50.2%; Score 22.6; DB 14; Length 447;
Best Local Similarity 68.9%; Pred. No. 2.4e+02;
Matches 31; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1 ACACAATTAAACGCGTCAATTACATATTGATAATCAAGTTC 45
Db 156 ACCAATGATTAATAATCGTGAATCCAGTTTGATAACATATTC 112

RESULT 12
US-10-424-599-123076
; Sequence 123076, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 123076
; LENGTH: 288
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(288)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_82144C.1
US-10-424-599-123076
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Query Match      49.8%; Score 22.4; DB 12; Length 288;
Best Local Similarity 70.7%; Pred. No. 2.6e+02;
Matches 29; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 4 AAACATTAAACACGCGTCAATTACATATTGATAATCAAGTTC 44
Db 154 AAACATNAAGCACATTCGCAATGCCATTCGCCATTCATGATGAGAAGTT 194

RESULT 13
US-10-027-632-238109
; Sequence 238109, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 238109
; LENGTH: 637
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-238109

Query Match      49.8%; Score 22.4; DB 15; Length 637;
Best Local Similarity 72.5%; Pred. No. 3.2e+02;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 4 AAACATTAAACACGCGTCAATTACATATTGATAATCAAGTTC 43
Db 13 AAACATTACCAAGCTCCAATTATAAATTTATAATAAGAT 52

RESULT 14
US-10-027-632-238110
; Sequence 238110, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
```

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; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 238110
; LENGTH: 637
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-238110

Query Match      49.8%; Score 22.4; DB 15; Length 637;
Best Local Similarity 72.5%; Pred. No. 3.2e+02;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy      4 AAACATTAAACAGCGTGCATTACATATTCATATCAGGT 43
      |||||
Db     13 AAACATTACCAGCTCCAAATTATTAATTATTAATAGAT 52

RESULT 15
US-10-027-632-148927
; Sequence 148927, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 148927
; LENGTH: 814
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-148927

Query Match      49.8%; Score 22.4; DB 15; Length 814;
Best Local Similarity 81.2%; Pred. No. 3.4e+02;
Matches 26; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy      8 ATTAACACAGCGTGCATTACATATTCATATC 39
      |||||
Db     123 AATAGAGAGCTGCATTACATTTTGAATC 154
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Search completed: March 22, 2004, 05:34:39  
Job time : 1666 secs